

Data sheet for three-phase Squirrel-Cage-Motors



Ordering data : 1LG4223-4AA60

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

Electrical data :						
Rated motor voltage :		(6) 400 VD/690 VY, 50 Hz, 460 VD, 60 Hz				
Frequency :		50 Hz			60 Hz	
Rated power :		45.00 kW			52.00 kW /	
Rated motor speed :		1475 1/min			1775 1/min	
Rated motor torque :		291.4 Nm			279.8 Nm	
Rated motor current (IE) :		VD	VY	VD	VY	
		82.0 A	47.5 A	81.0 A		
Starting / rated motor current :		7.2			7.2	
Breakdown / rated motor		3.2			3.2	
Starting / rated motor torque :		2.6			2.7	
		4/4	3/4	2/4	4/4	3/4
Efficiency %		91.7 %	92.2 %	91.8 %	93.0 %	93.2 %
Power factor :		0.86	0.82	0.73	0.87	0.87
Efficiency class :		IE1			IE1	
no value						
No						

Mechanical data :	
Sound pressure level 50Hz/60Hz (load) :	66.0(A) 70.0(A)
Moment of inertia :	0.45 kg m ²
Bearing DE :	6213 ZC3
Bearing NDE :	6213 ZC3
Type of bearing :	Locating bearing NDE (standard)
Condensate drainage holes :	Yes
Regreasing device :	No
Lubricants :	Esso Unirex N3
Grease lifetime/Relubrication interval :	40000 h
Quantity of grease for relubrication :	null g
External earthing terminal :	Yes
Coating :	

Explosion protection :
Type of protection :
without (standard)

Environmental conditions :
Ambient temperature :
-20.0 °C - +40 °C
Altitude above sea level :
1000 m
Standards and specifications :
IEC, DIN, ISO, VDE, EN

Technical data are subject to change! There may be discrepancies between calculated and rating plate values.

General data :	
Frame size :	225 M
Type of construction :	(0) IM B3 / B6 / B7 / B8 / V5 without canopy
Weight in kg, without optional accessories :	300.00 kg
Frame material :	Cast iron
Degree of protection :	IP 55
Method of cooling, TEFC :	IC 411
Vibration class :	A
Insulation :	155(F) to 130(B)
Duty type :	S1 - continuous duty
Direction of rotation :	Bi-directional

Terminal box :	
Material of terminal box :	Aluminum
Type of terminal box :	gk 431
Contact screw thread :	M8
Max. cross-sectional area :	35.00 mm ²
Cable diameter from ... to ... :	27.0mm - 35.0mm
Cable entry :	2xM50x1,5
Cable gland null	2 plugs

Special design :
